

ANCHORAGE AMATEUR RADIO CLUB

PRESIDENT- LANCE DUNBAR-AL7BK-337-6297

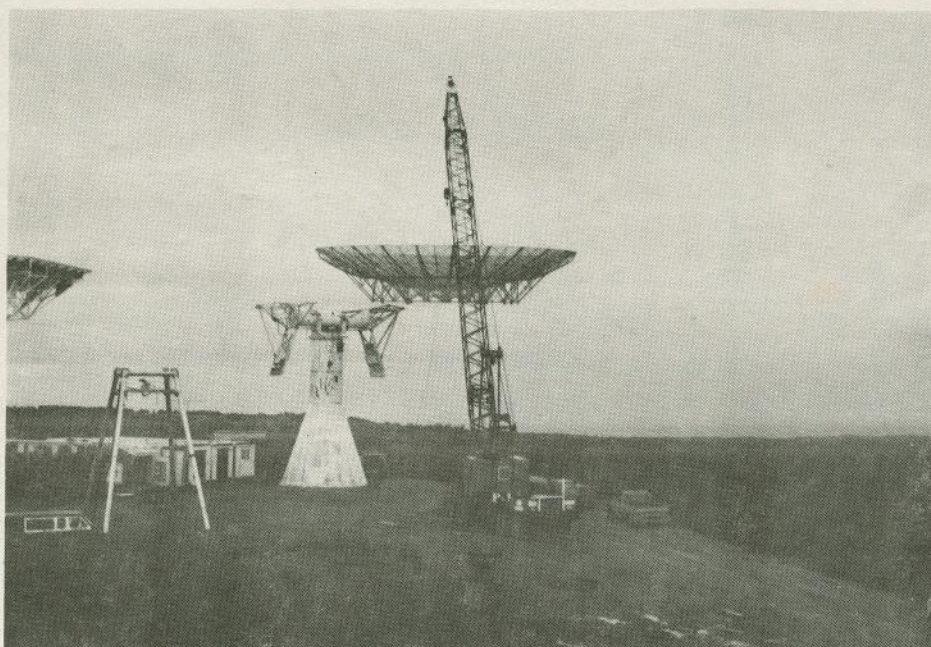
CLUB PHONE:345-0719

NOV. 1985

“EVENTS”



- | | |
|---------|--|
| Nov. 1 | General Meeting 7:00 p.m. Lucy Cuddy Center - A.C.C. Campus. |
| Nov. 6 | Board Meeting 7:00 p.m. - Bering Street |
| Nov. 6 | V. E. C. Testing - Boy's Club -
Located on 36th, just W. of RR tracks |
| Nov. 23 | P.A.R.K.A. Meeting (?) Time/Place T.B.A. |
| Nov. 28 | "Turkey Day"...Lots to be thankful for! |
| Dec. 6 | Club Xmas Party. Potluck supper & loads of fun at Viking Hall. See you there!! |



One more shot of the fantastic 60' dish which is being moved to the Mat Valley for club use. Thanks, Steve!

EDITOR: BONNIE JENNINGS-NL7DF 243-1146
8035 LLOYD DR
ANCHORAGE, ALASKA 99502



THE PREZ SEZ

October has been a relatively quiet month, compared with the past few months. Not too much happening, which has given us a chance to relax and take a breather.

The finance committee got together earlier in the month and spent several hours reviewing the budget and the year-to-date income. The committee concluded that expenses are outstripping income, a different approach needs to be taken with regard to raffles. Expenses, such as the cost of the newsletter, and traditional donations to various organizations, need to be examined.

Bob McKinnie AL7AW will be leaving the area the middle of November. A replacement RACES officer is needed to work with the Municipality. Bob is headed for the Dallas/Ft. Worth area. Thanks, Bob, for all your help with the various amateur activities.

It's contest season on the HF bands, and two major contests come to mind. They are the CQ Worldwide DX contest (Phone portion on Oct. 26 & 27, and CW portion on Nov. 23 & 24), and the ARRL Sweepstakes (CW on Nov 2 & 3, and Phone on Nov. 16 & 17). Also coming up in November is the "JY50", a 2 week celebration marking the 50th birthday of King Hussein. JY1, of Jordan (see article in this newsletter for details).

Club jacket orders are being taken by the "Loquacious Orator" David Epstein KL7LO. Contact David if you want to be part of the "in crowd."

The Marvins, KL7YF and NL7DL, are vacationing in the Lower 48, so the 34/94 machine will be quieter until the end of the month.

That's about it for this month. See you at the meeting on November 1.

73. LANCE • AL7BK

FIGURE OUT THE EXPRESSIONS INDICATED IN THE FOLLOWING SQUARES.

SAND	MAN ----- BOARD	STAND ----- I	READING	WEAR ----- LONG
R CROSS A D	T OWN	CYCLE CYCLE CYCLE	LE VEL	O ----- M.D. P.H.D. B.S.
KNEE LIGHTS	EYES ----- OO	CHAIR	DICE DICE	T OUCH
GROUND FEET-FEET FEET-FEET FEET-FEET	MIND ----- MATTER	HES/HIMSELF	ECNALG	DEATH/LIFE
G.I. ----- CCCC CCC CC	B LOW	PROGRAM ↓	YOU JUST ME	Answers on classified page



"No cookies or candy lady. Just hand over a speaker mike".

V H F REPORT

The big news this month is the progress being made by KV9D (George) & others on the Seward Rptr. Project. The new repeater will output on 145.200 (-600 Khz transmit). With a power of 10 watts, thermal electric powered. Geo. is in the process of building up the duplexer set, which is about the last part of the project. Then comes the install in Seward, & finally Seward will have a full time 2 meter repeater. The temporary rptr. on 146.34/94 will then be taken off the air. Keep tuned for further developments.....On the repeater scene also, the BARF, (Bristol Amat. Radio Fraternity) has just rec'd. their new rptr, and a mounting assembly for the transmitter & rcvr; crystals are in hand, and now comes the fun of install & tuneup. Look for a 146.34/94 repeater on the air in Dillingham this winter.

The ATV repeater is down for upgrade & modification. Mark is installing a crystal controlled audio sub carrier generator, which will keep the audio on frequency & stable. Mark is also installing an outdoor camera, which can be remotely turned on, brought into the repeater, & panned. Giving us a nice view of Anchorage from high atop a nearby mountain. Remember, you don't have to have a fancy getup to receive ATV; a simple downconverter storebought (\$60.00 or so) or homebrewed & a standard TV set is all that's required to receive LIVE fast scan (regular TV) in colour, or black & white depending on your monitor. The rptr. is UHF controlled, so you can run tests of your converter without the need to be able to send something to the repeater. Contact Mark KL7HD for further details. Think of what Fur Rondy race's could be like, w/live (minus commercials) TV coverage...or how about Walk for Hope, you could just see the expressions (pain) of your favorite walker. Think of the benefit to emergency communications, when we can provide LIVE COLOUR COVERAGE of the disaster area!

We're still awaiting the return of certain parts f/90/30 machine..still running reduced power, til the parts return & can be installed. We seem to have problem on 94, & NO, it's not the rptr. I know it can't be (certainly hope not) a licensed amateur, but someone is intentionally jamming phone patches for certain folks, it's happening more often lately. TO INTERFERE W/LICENSED COMMUNICATIONS IS AGAINST THE LAW, PUNISHABLE BY FINES RANGING UP TO \$10,000.00 & REVOCATION OF ALL LICENSES - INCL. AMATEUR & COMMERCIAL. Please folks, make sure your radios are secure. It's possible we have some children out of school early, before the parents are home, that may be causing some of the problems. Steps are being taken to track & identify the culprits. They will be dealt with to the fullest extent of the law.

We are receiving interference to main rcvr on 94. When this occurs, we turn off main rcvr & rely on remote, located in N.W. Anchorage for ALL incoming communications w/the repeater. When this occurs, use high power on handhelds or you probably won't make the repeater from S. Anchorage. Hope to install a 2ndremote receiver in S. W. Anchorage to fill in some of the area when the main one is turned off. Why not use high power to begin your QSO or Patch with, switch to low only after you know that you're in an area that low power works. Several people have had problems dialing a patch up & have after several attempts decided something was wrong w/the repeater...but others using a little higher power have gone right thru. Remember, weak signal = noise w/audio, which = poor chance of decoders detecting the touch tones for the phone patch. So use an outside antenna, & start with "hi" power; go down to low if it works in your area. That about does it for this month. Hope to see some of you on ATV 73's, Doug Dickinson KL7IKX

ANCHORAGE AMATEUR RADIO CLUB, INC.
Minutes of general club meeting, October 4, 1985
Lucy Cuddy Center, Anchorage Community College Campus

The meeting was called to order at 1918L by President Lance Dunbar AL7BK. Introductions were held; there were 55 people present.

During the course of the introductions, Lil Marvin NL7DL took the opportunity to thank all those who helped make this year's Flea Market a rousing success. When she was done, the rest of the gathering turned the tables on Lil and gave her an equally rousing round of thanks for doing a super job on managing this year's gala event. In fact, she did such a good job that rumors started to fly about her doing it next year!

AL7BK told the group that he had been contacted by Steve Schroeder KL7ML about **interference on 20 meters (14.322 MHz)**. Perhaps there are some people out there in Radioland who can help DF the RFI or otherwise determine what the source might be. Contact AL7BK or KL7ML for further info.

Frank Bowlin WL7D, Iditarod Communications Director, presented the AARC with the 1984 and 1985 **Iditarod plaques**.

AL7BK noted that Club Trustee **Bill Reiter KL7ITI** had been presented with the Hope Cottage/Walk For Hope **Outstanding Volunteer Award** for 1985 at that organization's banquet on September 28. At the same time, the club had been given a commendation for its outstanding support of Walk For Hope.

Lance changed the subject to club storage. We now have a **semi-permanent club storage locker** at Greatland Appliance, the 1985 Flea Market site. We can use a part of the building to store our stuff until further notice.

Lance reminded us all that **the club signs need rejuvenated**. So someone please volunteer.

We were given a partial tally of **how we made out money-wise at the Flea Market**. The bottom line is we netted \$2,899.57 from everything except the raffle. From that, we netted \$1,480.00. Subtracting \$139.00 for the banquet door prize (an Icom IC-2AT, which was won by KL7WE), our total known net to date is \$4,240.57. Not bad for 2 days work, eh?

Mary Laws NL7DM would like to see a **better turn-out at next year's Flea Market Banquet**. This year's was at the Haufbrau in the Penney's Mall, and it really was worth going to. Mary said that we are making tentative plans to do it there for next year's chow-down.

The beloved, if not convalescing, Douglas "Doo-gie!" Dickinson KL7IKX thrilled us with his **VHF Committee Report**. The 90/30 repeater is temporarily QRP due

to him having to pull the amplifier. KV9D has volunteered to work on the UHF machine. We are awaiting word from the owner of the hillside site on a new home for the uplink and downlink for the Minchumina Link, but that ain't the only problem we got -- we may have to spring for duplexers, to the tune of \$600 to \$800. No one has yet volunteered any such equipment.

Jim Larsen AL7FS is heading up the "Review of the Budget" Committee, which will ponder the question, "How much can we really spend between now and the end of the year and not go in the hole?"

J. A. D. "JD" Delancy K1ZAT/NL7 offered up the October edition of the **Membership Committee Report**. We have 385 club members, 142 of which are Life Members. Of the 385 club members, 243 also belong to the ARRL. And, as if that weren't enough, 38 of the 243 ARRL members are "League Lifers." How on that, over? 63.3% of our club members are members of the American Radio Relay League. With his sharp-as-a-tack mind, Lance immediately pounced on these figures, noting that our AARC/ARRL ratio was down from last month's 66.4%. A plaintive plea was immediately issued from the Highest Offices of the AARC to enlist new League members or membership renewals. (And remember when you do it to **do it through the club**, 'cause we get a **kickback!**).

Roger Hansen KL7HFQ gave the **VEC Report**. The 30-day rule on retesting has been waived effective November 8. Roger proudly announced that Bill Reiter KL7ITI had passed the 20-wpm code test. The VEC is planning to head for Nome with the doggies next March and give exams. Past President Daniel Stevens KL7WM informed the throng that representatives of the Arctic ARC in Fairbanks had recently told him that they were well pleased with our administration of the Volunteer Examiner Program, and that the people on our end who were doing the job were indeed **doing the job**.

A **second plaintive plea** was issued from the Highest Offices of the AARC. The club needs an HF Editor for the Newsletter. Easy marks, see Lance!

Lance further captivated the crowd by telling them that NL7DN and the Boy's Club were looking for a **Novice Class instructor** who could teach on Friday afternoons at Bear Valley Elementary School. NL7DL is going to pick it up in January, but someone is needed to do it until then. In addition, KL7HFQ is looking for some help in finishing up the Boy's Club station (mainly work associated with the antenna).

On the subject of stations, AL7BK noted that NL7GP is interested in getting some help in getting his tower up. And AL7FS said that AL7DI was looking for an antenna, tower, and rotator.

WL7ADK informed us that there was a **22/82 machine up and playing in the Delta area**. It can be worked from Tok to Fairbanks on the Highway. The antenna is on a 120-foot tower on Fort Greeley. In the foreseeable future, the repeater will be enhanced with a phone patch and a remote receiver system that hopefully will extend its coverage to the border. Lou, KA4SWL, is the power behind the machine. John Bierman KL7GNP told us that the machine was used somewhat during the SOME Run, and that its availability had been greatly appreciated.

Lance said that, during the Flea Market, the club had been given a Heathkit HW-8 (QRP CW-only HF rig). It can be loaned out for use to someone who would like to use it.

Linda Harmon NL7FY, the Activities Manager, had been resting up over the past month and had no activity planned. We were all pretty much on edge and probably couldn't hack it, anyway! She asked for input on what the club members would like to see for programs. Perhaps the globetrotting AL7AW and his "Tales of the Far East"; or a packet radio presentation/demonstration.

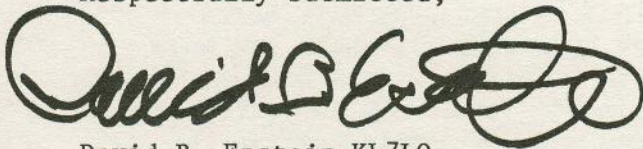
Yours truly passed out a sign-up sheet for club jackets. The pile-lined versions will probably fetch \$32-\$34; flannel liners being somewhat less dear.

Following the break, 'midst cries of "FIX!", the door prizes were apportioned with great vigor and alacrity.

Some wise guy asked, "What's the book on the Christmas Party?" Well, here's the book. It'll be the first Friday in December in the Viking Hall. KL7ITC will bring a high school band for music, and the rare and wonderful KL7JGU will thrill us all with his sleight of hand and otherwise off-the-wall routines (aka magic act).

The meeting was adjourned at 2050L.

Respectfully submitted,



David B. Epstein KL7LO

HAMMING IT UP IN THE KITCHEN ...with NL7DF



FOR THOSE FROSTY WINTER NIGHTS. . .

HOT MULLED CIDER

1 qt. apple cider
1 t. whole allspice
1 t. whole cloves
2 sticks cinnamon

6 thin lemon slices

Simmer covered for 20 minutes.
Remove spices. Serve hot w/
lemon slices.

CRAZY CRUNCH

2 qts. popped corn
2/3 c. almonds
1 1/3 c. pecans

Boil for 10-15 minutes:

1 1/3 c. sugar
1 cup butter
1/2 cup Karo syrup

Remove from heat; stir in 1 t.
vanilla. Pour over corn & nuts.
Mix to coat. Spread to dry.

KEEP



NEW CHARITABLE GAMING LAWS COMING

The Alaska legislature is in the process of making new laws concerning gaming. Several years ago they revised the law, but the Governor veto it because the permit holders did not comment on changes. The Department of Revenue, who regulates gaming, has asked the permittees to make comments and recommendations for the new law. Some of the proposed changes are a ceiling for expenses of 25% (building rent, wages, etc.), a floor for profit of 15%, rising fees, defining operators (who operate a game), require a monthly report in addition to the annual report, license pull tab distributors, and clean up the language. The AARC has a standing gaming committee who are Jim Larsen, AL7FS, Bill Reiter, KL7ITI, and Fred Wegner, KL7HFM. Give your ideas to one of them or to Daniel Stevens, KL7WM. If you want to see the changes as they now sit in the legislature contact me KL7WM at 272-1213.

AMATEUR RADIO WEEK

Senate Bill 262 is to declare the last full week in June as Amateur Radio Awareness Week. Each year the Governor will make this proclamation. THIS BILL DID NOT GET PAST THE HOUSE. WE need you to write your Alaska Legislators in the House to get this BILL PASSED. This is a non-partisan and non-political your legislator would love to support, BUT YOU have got to tell them WE WANT THIS BILL PASSED. Amateur Radio is a quiet fraternity and we don't get alot of publicity. This is one way every year we can get some publicity, and it comes around FIELD DAY. Don't wait for the other guy to write. You do it now. I already have contacted my legislator and got a commitment out of him. If you need a legislator address PLEASE contact me, Daniel Stevens, KL7WM, on 2m or at 272-1213.

Daniel Stevens, KL7WM

ANCHORAGE AMATEUR RADIO CLUB, INC.
Minutes of Board of Directors Meeting, October 9, 1985
Hope Cottage Offices, 2805 Bering Street

Present: President Lance Dunbar AL7BK; Vice-President Bud Laws KL7IBZ; Activities Manager Linda Harmon NL7FY; Secretary David Epstein KL7LO; Treasurer Beth Head NL7FZ; Trustee Bill Reiter KL7ITI; Past President Daniel Stevens KL7WM; 3-year Board Members J. A. D. Delancy K1ZAT/NL7 and Fred Toliver KL7HM; 1-year Board Members Rick Marvin KL7YF, Cathi Moody KL7NR, Bill Capers AL7BB, Steve Wilcox KL7JIM, and Rod Maney KL7SA; **Not Present:** 3-year Board Member Jim Larsen AL7FS and 1-year Board Member Ed Tucker KL7DU. **Also Present:** VHF Committee Chairperson Douglas Dickinson KL7IKX.

The meeting was called to order at 7:01 pm AKDT by President Lance Dunbar AL7BK. Minutes of the September Board Meeting and October General Club Meeting were read by Secretary KL7LO. The September Board Meeting minutes were approved as read. The October General Club Meeting minutes were corrected to show that the HF rig donated to the club at the Flea Market was a Heathkit HW-16, and not an HW-8. With this correction, the October General Club Meeting minutes were approved.

Fred Toliver KL7HM presented the **Budget Review** which had been recently completed by the Finance Committee (the Finance Committee consisting of Jim Larsen AL7FS, Bill Capers AL7BB, Daniel Stevens KL7WM, KL7HM, and Mike McLaughlin WA7USX). Fred passed out a 2-page Finance Committee Report and a 3-page back-up document containing the results of the Flea Market and the fiscal posture of the Club as of 9/30/85. Highlights of the Finance Committee Report are:

- a. The Club has already overspent some of its budget items for this year and if we continue on the present course, we will exceed our total budget by December 31.
- b. The club newsletter is costing \$17 per capita, almost 50% greater than the club dues (\$12/capita/year) which are supposed to totally defray its cost.
- c. The Flea Market raffle's \$10 ticket was too high for the local economy to support. The Club should seriously consider dropping the ticket price for the next raffle, print more tickets, and increase our "take" of the proceeds to maybe 50/60% of the gross. The prizes we have given to people who have sold the most tickets, or winning tickets, have hurt the club financially. Better PR of Amateur Radio at ticket sales locations in malls could greatly enhance our sales ability.
- d. We must take action to be more competitive in the raffle ticket sales market as there are many organizations locally doing the same things we are.
- e. "We have to clean up our own act if the budget is to be controlled." The halcyon days of 3 years ago, when we could more easily justify large non-budgeted purchases, are no more.

Linda Harmon NL7FY gave the **Activities Report**. Her beginning balance was \$100.00, and she spent \$75.00 for door prizes for the October general meeting, leaving a balance of \$25.00. Linda collected \$113.00 in door prize ticket sales on October 4, yielding a present balance of \$138.00. Cathi Moody KL7NR said that she would hopefully soon receive a video tape from the San Antonio club on traffic-handling activities following the Mexico City earthquake, and that perhaps we could use it for an upcoming program.

Membership Committee Chairperson J. A. D. Delancy K1ZAT/NL7 informed us that there had been **no change in club membership statistics** since the October general meeting.

VHF Committee Chairperson Douglas Dickinson KL7IKX presented a **VHF Committee Report**, and he did so in writing, and I was assured that the report would be in the November newsletter, so I ain't gonna dwell on it here. One item not in the written report was that the 34/94 controller had been programmed to go "nigh-nigh" at 10:30 pm during the week, i.e., no standard autopatch after that time -- emergency autodial functions always functional.

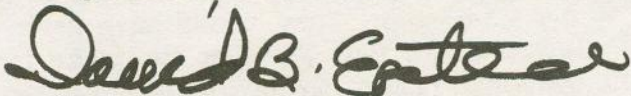
Treasurer Beth Head NL7FZ reported that we should **add \$115.00 to the club coffers** and the latest Treasurer's Report. This amount was the change that KL7LO had collected in his pull tab operation during the Flea Market.

Past President Daniel Stevens KL7WM informed us that the **Audit Committee's** attempt to meet recently had not been successful, and that they would reschedule. He also reported on a **meeting** he recently attended, conducted by the State Department of Revenue. The subject was **proposed revisions to gaming laws** (affecting, among other things, bingo, raffle, and pull tab operations). The state estimates that, of the \$80 million taken in annually by gaming operations, \$50 million is not reported. The state is proposing a 25% ceiling on expenses that can be claimed out of gaming proceeds, and a 15% floor for profits. This leaves 60% for prizes and the like. They are also proposing to raise annual fees from \$20 to \$50, and 1% to 3% of the gross. If any club members would like to know more about what went on in the meeting, they may feel free to contact Daniel, any suggestions or input on the proposed regulations may be given to Daniel, Bill Reiter KL7ITI, Jim Larsen AL7FS, or Fred Wegmer KL7HFM. K1ZAT/NL7 suggested that Daniel synopsise meeting proceeds in a newsletter article.

AL7BK informed us that Bob McKinnie AL7AW has a check to pay for the **BY1PK wattmeter**. The unit is at Alaska Electronics and should be on its way to the Orient soon.

Fast and furious before I run outta space: The Board voted to reimburse KL7ITI and AL7BK the \$100 they incurred out-of-pocket to attend the Hope Cottage banquet at which Bill and the Club were given plaques. Lance AL7BK said that the Club had received a 1983 Nunaka Valley Little League plaque. The Board Meeting adjourned at 9:03 pm AKDT.

Respectfully submitted,



David B. Epstein KL7LO, Secretary

JY50 CELEBRATION

The Royal Jordanian Radio Amateur Society has announced plans for "JY50", a two-week, on-the-air, celebration marking the 50th birthday of His Majesty King Hussein, JY1.

All Amateur Radio stations in Jordan will sign the special prefix JY50 followed by their regular two-or-three letter suffix in all QSO's between 7 November 1985 and 21 November 1985. His Royal Highness, Prince Raad Bin Zeid, JY2RZ, chairman of the society, said amateurs working several JY50 callsigns can qualify for a special award certificate. European stations must work 10 JY50 stations and other amateurs elsewhere in the world must contact five JY50 calls.

His majesty JY1 is expected to join the celebration using the callsign JY50. JY stations will be on all bands from 160-10 meters using all modes.

The Society will provide special JY50 QSL cards for participating stations on the air from Jordan. Special commemorative certificates are also being offered to foreign amateurs. Non-JY stations must submit log sheets for contacts with either 10 IRC's or \$5 U.S. All entries should be mailed to the Royal Jordanian Radio Amateur Society, JY50 Celebration, Post Office Box 2353, Amman, Jordan.

Reprinted from the September 1985 issue of the JY Newsletter



PERSONAL TWO-WAY RADIO TRIVIA

Ever wonder how CB really started and why? The U.S. Office of Strategic Services (predessor to the CIA) developed small handi-talkies for use in spying and communicating with aircraft during World War II. They were developed by radio engineer Al Gross and code-named "Joan/Eleanor". J/E's guided allied bombers to many European targets in the mid-1940's.

Upon seeing a demonstration, the then FCC Commission Chief Jack Jett thought that the J/E concept would make an excellent two-way public personal communications system in the UHF band. The FCC ended up allocating the 460-470 MHz band to CB, but the cost of the equipment was too high for the mass market.

Eventually the FCC reallocated most of the old 460-MHz CB band to business. Only eight very crowded paired channels remain and make up the General Mobile Radio Service, GMRS. As a compromise, however, the FCC "tossed a bone" to the public by turning the little-used 11-meter ham band into a personal 2-way radio service. It was one of the worst decisions the FCC ever made and untimately caused them a lot of grief!

What was intended to help small business, ended up becoming a codeless, unsupervised ham band with the gas-short trucker providing the leadership. They should have listened to Jett who felt that UHF was the place for public personal radio. Nearly 40 years later, the FCC is still trying to reverse their folly.

CLASSIFIEDS



WANTED. . . Female Columnist
to do our monthly feature, "A
Y.L.'s Point of View". Please
contact the editor for details.

FOR SALE. . .

1. Heathkit HW7 QRP Rig w/
AC Power Supply. Mint.
Little used . . . \$55.00
2. Heathkit Grid Dip Meter
Model GD-1B w/Coils
. . . \$15.00
3. QST's - May 1983 to
Present. . FREE for the
taking!

Norm Neuils - AL7BZ - 345-5482

FOR SALE: SB221 Linear Amp.
Like New. \$450.00 OBO.

Call PETE - W7SDV - 346-2578



BAD NEWS AND GOOD NEWS

The Bad News. . Bob, AL7AW, is
moving to Dallas in mid-November.
We'll really miss you, Bob!!

The Good News. . Some great stuff
for Sale! . . such as:

SB 34 HF Transceiver. 12v or 110.
. \$250.00

2 Each 70' Crank Up Towers
. \$1,000.00

House w/Towers attached for add'l
Amount. Excellent Ham Location.

Central Electronics 600-L Linear
Amp. \$ 200.00

Bob Mc Kinnie - AL7AW - 345-4967

FOR SALE. . . DRAKE TR4C Trans-
ceiver & AC Power Supply.
Excellent Condition \$425.00

Call Mark - KL7DS - 274-7010
6-9:00 p.m.



NEEDED FOR ASPIRING HAM W/LIMITED
BUDGET. . . Teletype & Oscilloscope . . . Call Andy Shafer - 345-2528.

Answers to Puzzle (reading left to right). . .

- | | | |
|---------------------------------|---------------------------------|--------------------------------|
| 1. Sandbox | 9. Split Level | 17. Mind Over Matter |
| 2. Man Overboard | 10. Three degrees Below
Zero | 18. He's Beside Himself |
| 3. I Understand | 11. Neon Lights | 19. Backward Glance |
| 4. Reading Between
the Lines | 12. Circles under the
Eyes | 20. Life After Death |
| 5. Long Underwear | 13. High Chair | 21. GI Overseas |
| 6. Cross Road | 14. Pair of Dice | 22. See-Thru Blouse |
| 7. Down Town | 15. Touchdown | 23. End of Program |
| 8. Tricycle | 16. Six Feet Underground | 24. Just Between You
and Me |

ANCHORAGE AMATEUR RADIO CLUB, INC.

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Home: 346-2900

When you need to buy or sell a house,
cabin site or other property, contact
a HAM, call Fred KL7HM. No flash, just
good honest service. 73

A handwritten signature in dark ink, appearing to read 'Fred' with a stylized flourish.

FRED TOLIVER

KL7HM

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A NEW LIFE WITH NEO LIFE

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